

Difference between Java and Scala

What is java?

Java is a general-purpose, object-oriented programming language and popular programming language. Java is used for backend development, desktop application, and mobile application development. Java programs run on the JVM(java virtual machine).

What is Scala?

Scala is also a general-purpose programming language that also uses JVM(Java virtual machine) and we can run Java code in the Scala compiler.

Differences between Scala and Java

Java programming language	Scala programming language
Java is an object-oriented programming language.	Scala supports object-oriented programming paradigm and also functional programming paradigm.
Written java codes will result in a lot of boilerplate codes.	Scala will reduce the requirement of written boilerplate code which is a disadvantage of java.
Java doesn't have type inference. We need to specify the type of each variable.	Scala supports type inference. Scala automatically figures out the type of a variable based on the expression on the right-hand side.
Java doesn't support operator overloading.	Scala supports operator overloading.